Data Ingest Activities - TRMM
Level 0 Ingest Scenario

(Subsystems Involved: INS, MSS, CLS)

System	Operator
All of the messages listed below go to one or more log files which may be viewed by operations personnel by monitoring the display or by browsing the log files.	
1) SDPF sends Data Availability Notice (DAN) to Ingest (LaRC and MSFC). Receipt of the DAN is logged. This process is assigned a request ID, and from this point forward the event log and status display will contain information related to this transaction.	

Data Ingest Activities - TRMM
Level 0 Ingest Scenario (cont.)

System	Operator
- Ingest generates a corresponding ingest request and stores the request on a prioritized list. A summary of the DAN contents indicating data source, number of files, and location of data is placed in the event log.	- Ingest Tech. may monitor the status display showing subsequent ingest request processing and cancel requests.
- Acknowledges the request (DAA) and a copy of the DAA indicating readiness to ingest data is logged.	
2) Ingest function schedules and performs data transfer. Devices allocated to the data transfer are identified. Data transfer status/ recoverable errors indicated in the event log.	

Data Ingest Activities - TRMM
Level 0 Ingest Scenario (cont.)

System	Operator
3) No data conversion required for SDPF Level 0 data	
4) Ingest function extracts SDPF Level 0 metadata and checks selected metadata parameters (e.g., SFDU header information). Status of metadata parameter check is written to event log.	
5) Ingest function requests to store SDPF Level 0 data and metadata in the Level 0 data repository. Data server insert request generated. Subscription (if any) triggered to indicate availability of data when the archive process is completed.	

Data Ingest Activities - TRMM
Level 0 Ingest Scenario (cont.)

System	Operator
6) DDN is sent to SDPF and a DDA is received and logged. Status message is provided to data provider and Ingest History Log when archiving is complete.	- DIT may view the history log. Request ID associated with this ingest process drops off of the ingest status display at this time.